



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Michael T. Romanyszyn § Atty. Docket No: L-0170.57  
§  
Application No: 09 899.467 § Examiner: REIFSNYDER, DAVID A.  
§  
Filed: July 5, 2001 § Group Art Unit: 1723  
§  
For: METHOD AND APPARATUS §  
FOR TREATING FLUIDS §

AMENDMENT "A"

BOX NON-FEE AMENDMENT  
COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450

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MAY 12 2003  
TC 1700

Sir:

Applicant timely responds to the Office Action dated February 12, 2003, as follows:

IN THE CLAIMS:

Please amend the claims as follows:

1. (amended) A vortex nozzle, comprising:

a nozzle body including a passageway therethrough and a plurality of ports  
that inlet a fluid flow substantially tangential and normal to the passageway;  
and  
an end cap attached to the nozzle body.

38. (amended) A vortex nozzle, comprising:

a nozzle body including a passageway;  
at least a segment of the passageway being tapered; and  
a plurality of ports that inlet a fluid flow substantially tangential and normal to  
the passageway.